

***Interactive comment on “Constraints on Enhanced Weathering and related carbon sequestration – a cropland mesocosm approach” by Thorben Amann et al.***

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Received and published: 6 November 2018

I have the following considerations: 1. Include the soil material characteristics used in the mesocosm in the main MS. important would be soil C content, soil pH value (in CaCl<sub>2</sub>) and texture. The origin (horizon of which WRB soil type) would also be of interest. It can be assumed that an acid soil respond differently than an alkaline soil. 2. Please specify the amount of olivine for suitability under field conditions. The 22 kg m<sup>-2</sup> corresponds to 220 t ha which seems very high, or? 3. Can you also add a direct evidence of C accumulation during the period, formation of C org and C inorg? 4. How was the productivity of the plants affected by the olivine application?

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C1

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2018-398>, 2018.

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